

6/7/04

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal64layl

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/CAPLUS  
NEWS 5 FEB 05 German (DE) application and patent publication number format  
changes  
NEWS 6 MAR 03 MEDLINE and LMEEDLINE reloaded  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
NEWS 12 APR 26 PROMT: New display field available  
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field  
available  
NEWS 14 APR 26 LITLERT now available on STN  
NEWS 15 APR 27 NLDB: New search and display fields available  
NEWS 16 May 10 PROUSDDR now available on STN  
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May  
and June 2004  
NEWS 18 May 12 EXTEND option available in structure searching  
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 20 May 17 FRFULL now available on STN  
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004  
Conference  
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient  
patent  
SDIs in CAPLUS  
NEWS 23 May 27 CAPLUS super roles and document types searchable in REGISTRY  
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 19:01:59 ON 07 JUN 2004

=> file medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 19:02:16 ON 07 JUN 2004

FILE LAST UPDATED: 6 JUN 2004 (20040606/UP). FILE COVERS 1951 TO DATE.

On February 29, 2004, the 2004 MeSH terms were loaded. See HELP RLOAD for details. OLDMEDLINE now back to 1951.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2004 vocabulary. See <http://www.nlm.nih.gov/mesh/> and [http://www.nlm.nih.gov/pubs/techbull/nd03/nd03\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd03/nd03_mesh.html) for a description of changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s and (chip or chips or biochip or biochips)  
MISSING TERM BEFORE 'AND'  
Search expressions cannot begin with operators.

=> s chip or chips or biochips or biochip  
3336 CHIP  
2317 CHIPS  
5209 CHIP  
(CHIP OR CHIPS)  
2317 CHIPS  
102 BIOCHIPS  
111 BIOCHIP  
102 BIOCHIPS  
188 BIOCHIP  
(BIOCHIP OR BIOCHIPS)  
L1 5337 CHIP OR CHIPS OR BIOCHIPS OR BIOCHIP

=> 2 and (traveling adj wave adj magnetophoresis)  
2824085 2  
2054 TRAVELING  
269 ADJ  
56120 WAVE  
25857 WAVES  
73194 WAVE  
(WAVE OR WAVES)  
269 ADJ  
39 MAGNETOPHORESIS  
0 TRAVELING ADJ WAVE ADJ MAGNETOPHORESIS  
(TRAVELING (W) ADJ (W) WAVE (W) ADJ (W) MAGNETOPHORESIS)

```

L2          0 2 AND (TRAVELING ADJ WAVE ADJ MAGNETOPHORESIS)

=> traveling adj wave adj magnetophoresis
    2054 TRAVELING
    269 ADJ
    56120 WAVE
    25857 WAVES
    73194 WAVE
        (WAVE OR WAVES)
    269 ADJ
    39 MAGNETOPHORESIS
L3          0 TRAVELING ADJ WAVE ADJ MAGNETOPHORESIS
        (TRAVELING (W) ADJ (W) WAVE (W) ADJ (W) MAGNETOPHORESIS)

=> magnetophoresis
L4          39 MAGNETOPHORESIS

=> 4 and traveling
    1997947 4
    2054 TRAVELING
L5          313 4 AND TRAVELING

=> 5 and (wave or waves)
    1941032 5
    56120 WAVE
    25857 WAVES
    73194 WAVE
        (WAVE OR WAVES)
    25857 WAVES
L6          18695 5 AND (WAVE OR WAVES)

=> L5 and (wave or waves)
    56120 WAVE
    25857 WAVES
    73194 WAVE
        (WAVE OR WAVES)
    25857 WAVES
L7          76 L5 AND (WAVE OR WAVES)

=>
<-----User Break----->

=> traveling adj wave adj magnetophoresis
    2054 TRAVELING
    269 ADJ
    56120 WAVE
    25857 WAVES
    73194 WAVE
        (WAVE OR WAVES)
    269 ADJ
    39 MAGNETOPHORESIS
L8          0 TRAVELING ADJ WAVE ADJ MAGNETOPHORESIS
        (TRAVELING (W) ADJ (W) WAVE (W) ADJ (W) MAGNETOPHORESIS)

=> magnetophoresis
L9          39 MAGNETOPHORESIS

=> L9 and (wave or waves)
    56120 WAVE
    25857 WAVES

```

73194 WAVE  
(WAVE OR WAVES)  
25857 WAVES  
L10 1 L9 AND (WAVE OR WAVES)

=> L10 and traveling

2054 TRAVELING  
L11 0 L10 AND TRAVELING

=> L10

56120 WAVE  
25857 WAVES  
73194 WAVE  
(WAVE OR WAVES)  
25857 WAVES  
L12 1 L9 AND (WAVE OR WAVES)

=> d ibib abs

L12 ANSWER 1 OF 1 MEDLINE on STN  
ACCESSION NUMBER: 2001454773 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11500256  
TITLE: Novel mechanisms and devices to enable successful  
transdermal drug delivery.  
AUTHOR: Barry B W  
CORPORATE SOURCE: Drug Delivery Group, School of Pharmacy, University of  
Bradford, Bradford BD7 1DP, UK.. bwbarry@bradford.ac.uk  
SOURCE: European journal of pharmaceutical sciences : official  
journal of the European Federation for Pharmaceutical  
Sciences, (2001 Sep) 14 (2) 101-14. Ref: 190  
Journal code: 9317982. ISSN: 0928-0987.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200112  
ENTRY DATE: Entered STN: 20010814  
Last Updated on STN: 20020122  
Entered Medline: 20011204  
AB Optimisation of drug delivery through human skin is important in modern  
therapy. This review considers drug-vehicle interactions (drug or  
prodrug  
selection, chemical potential control, ion pairs, coacervates and  
eutectic  
systems) and the role of vesicles and particles (liposomes,  
transfersomes,  
ethosomes, niosomes). We can modify the stratum corneum by hydration and  
chemical enhancers, or bypass or remove this tissue via microneedles,  
ablation and follicular delivery. Electrically assisted methods  
(ultrasound, iontophoresis, electroporation, magnetophoresis,  
photomechanical waves) show considerable promise. Of particular  
interest is the synergy between chemical enhancers, ultrasound,  
iontophoresis and electroporation.

=>

<-----User Break----->

=> file biosis  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.54	5.75

FULL ESTIMATED COST

FILE 'BIOSIS' ENTERED AT 19:10:42 ON 07 JUN 2004  
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 2 June 2004 (20040602/ED)

FILE RELOADED: 19 October 2003.

=> s traveling adj wave adj magnetophoresis  
1688 TRAVELING  
1 TRAVELINGS  
1689 TRAVELING  
(TRAVELING OR TRAVELINGS)  
308 ADJ  
59851 WAVE  
21522 WAVES  
72856 WAVE  
(WAVE OR WAVES)  
308 ADJ  
39 MAGNETOPHORESIS  
L13 0 TRAVELING ADJ WAVE ADJ MAGNETOPHORESIS  
(TRAVELING (W) ADJ (W) WAVE (W) ADJ (W) MAGNETOPHORESIS)

=> s magnetophoresis  
L14 39 MAGNETOPHORESIS

=> L14 and (wave or waves)  
59851 WAVE  
21522 WAVES  
72856 WAVE  
(WAVE OR WAVES)  
21522 WAVES  
L15 1 L14 AND (WAVE OR WAVES)

=> L15 and traveling  
1688 TRAVELING  
1 TRAVELINGS  
1689 TRAVELING  
(TRAVELING OR TRAVELINGS)  
L16 0 L15 AND TRAVELING

=> L15  
59851 WAVE  
21522 WAVES  
72856 WAVE  
(WAVE OR WAVES)  
21522 WAVES  
L17 1 L14 AND (WAVE OR WAVES)

=> d ibib abs

L17 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2001:457363 BIOSIS  
 DOCUMENT NUMBER: PREV200100457363  
 TITLE: Novel mechanisms and devices to enable successful  
 transdermal drug delivery.  
 AUTHOR(S): Barry, B. W. [Reprint author]  
 CORPORATE SOURCE: Drug Delivery Group, School of Pharmacy, University of  
 Bradford, Bradford, BD7 1DP, UK  
 bwbarry@bradford.ac.uk  
 SOURCE: European Journal of Pharmaceutical Sciences, (September,  
 2001) Vol. 14, No. 2, pp. 101-114. print.  
 ISSN: 0928-0987.  
 DOCUMENT TYPE: Article  
 General Review; (Literature Review)  
 LANGUAGE: English  
 ENTRY DATE: Entered STN: 26 Sep 2001  
 Last Updated on STN: 22 Feb 2002  
 AB Optimisation of drug delivery through human skin is important in modern  
 therapy. This review considers drug-vehicle interactions (drug or  
 prodrug  
 selection, chemical potential control, ion pairs, coacervates and  
 eutectic  
 systems) and the role of vesicles and particles (liposomes,  
 transfersomes,  
 ethosomes, niosomes). We can modify the stratum corneum by hydration and  
 chemical enhancers, or bypass or remove this tissue via microneedles,  
 ablation and follicular delivery. Electrically assisted methods  
 (ultrasound, iontophoresis, electroporation, **magnetophoresis**,  
 photomechanical **waves**) show considerable promise. Of particular  
 interest is the synergy between chemical enhancers, ultrasound,  
 iontophoresis and electroporation.